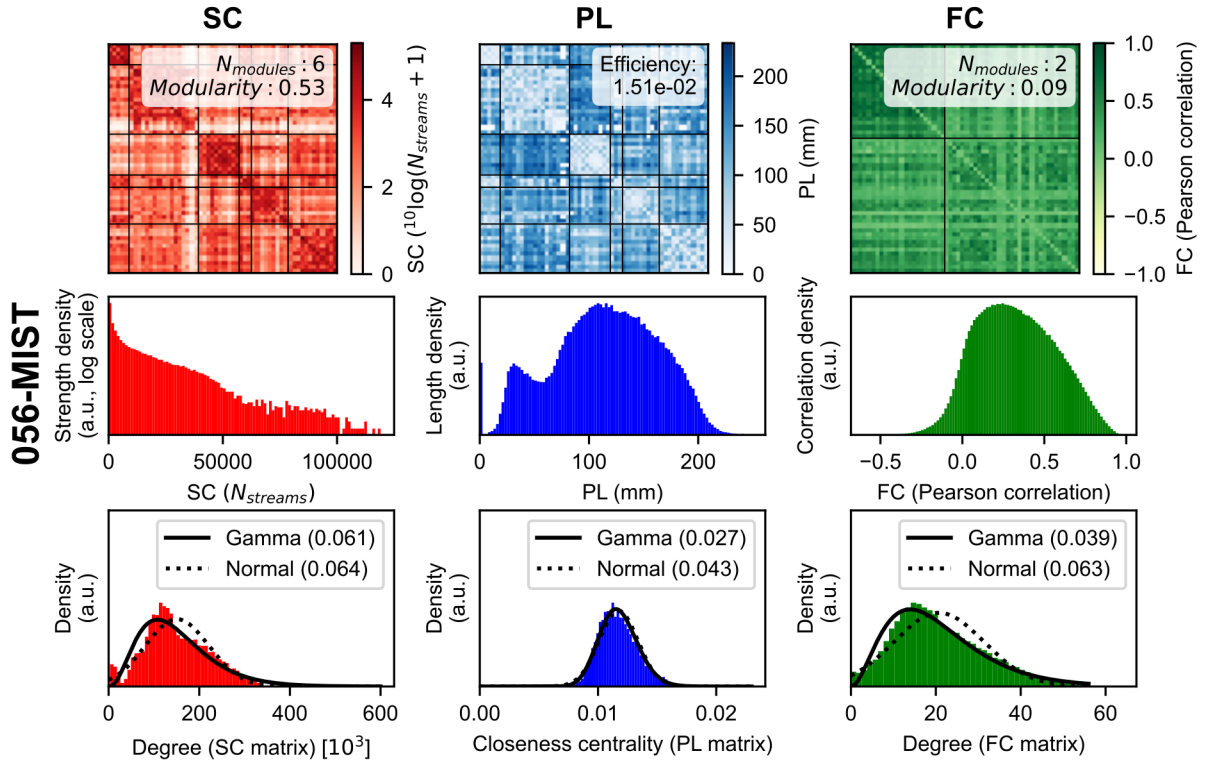
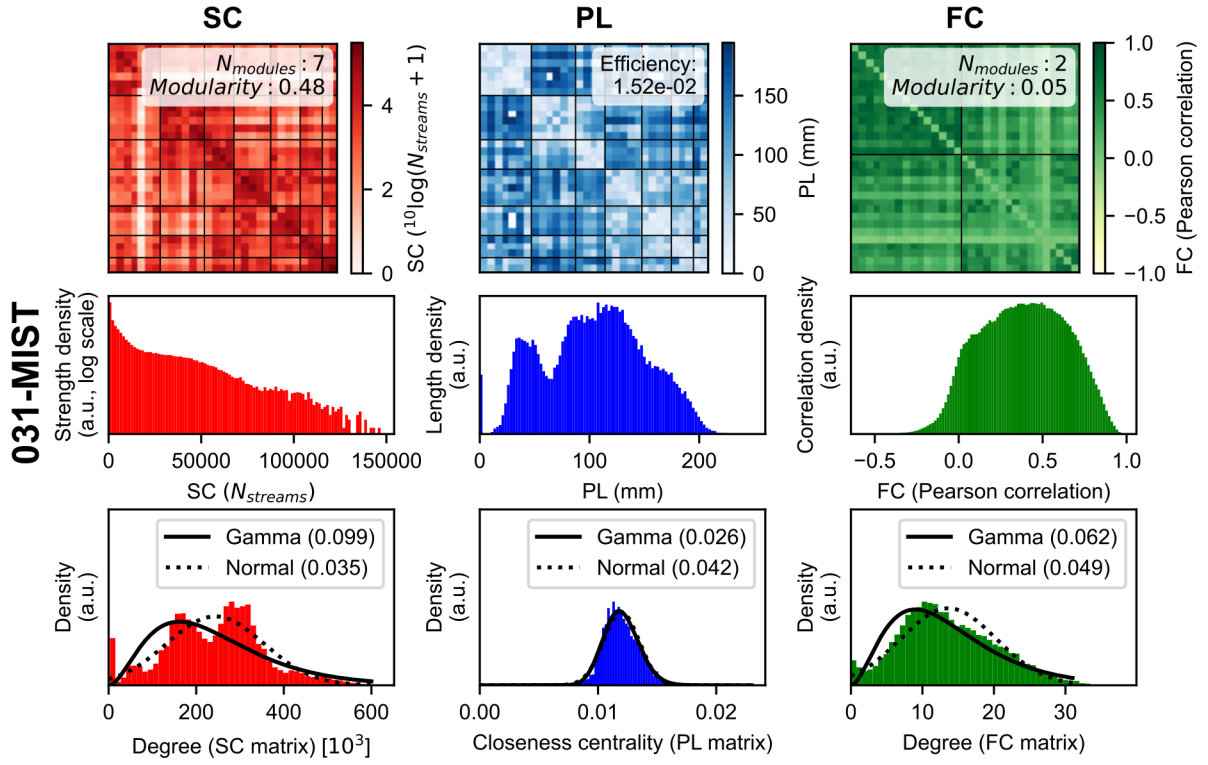


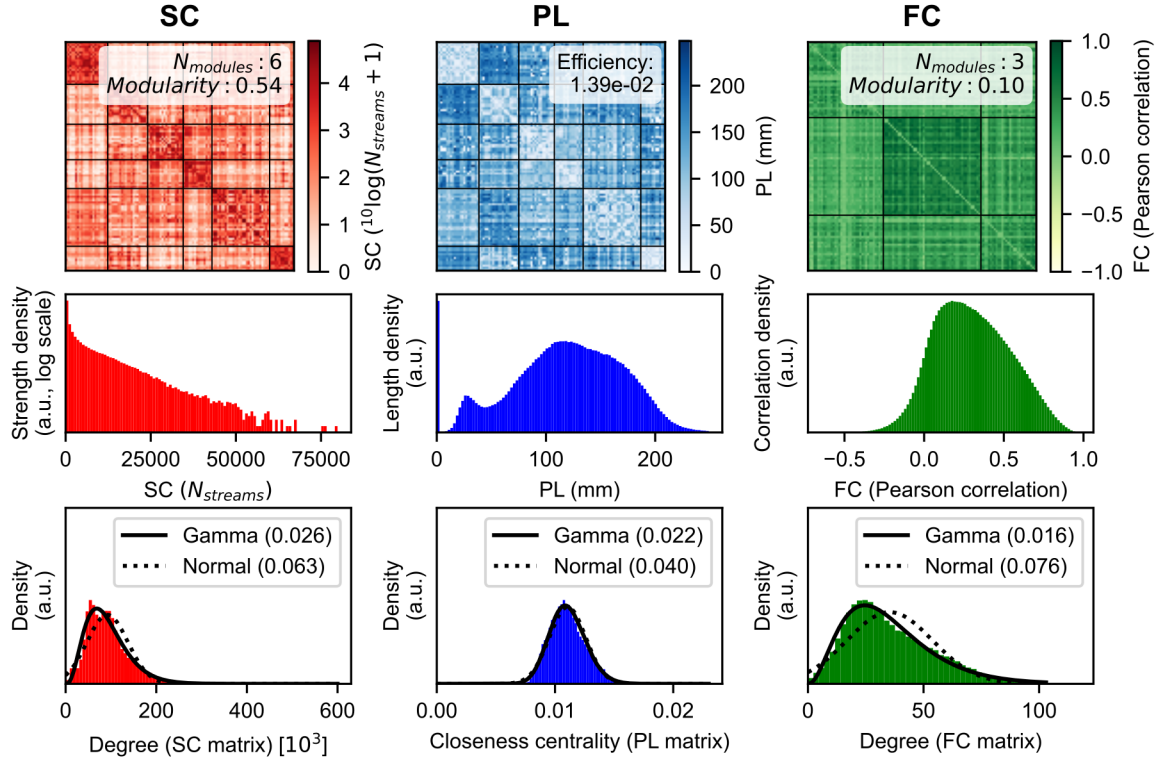
Supplementary Data Sheet

Every datasheet contains nine plots. The top row contains examples of the structural connectivity, path length and functional connectivity matrices (from left to right). These examples were constructed using the same subject of the HCP dataset. Modularity and modular structure were calculated from the structural and functional connectivity matrices and subsequently matrix rows and columns were sorted on the basis of these results. The modularity index and the number of modules are also displayed within the structural and functional connectivity matrices and the global efficiency calculated from the PL matrix is displayed in that matrix. The middle row contains the densities of the individual elements of the corresponding matrices calculated across the 200 subjects from the HCP dataset used in this study. The bottom row shows (from left to right) the degree distribution of the empirical SC matrix, the closeness centrality of the empirical PL matrix and the degree distribution of the empirical FC matrix. These distributions were calculated across the 200 subjects from the HCP dataset used in this study. In addition, the gamma and normal distributions that best fitted the empirical distribution at hand are drawn into the plots. The legends explain which line corresponds to which distribution. Additionally, they also display the Kolmogorov-Smirnov statistic (in parentheses), which characterises the quality of the fit of the parametric distribution to the empirical data as reflected by the distance between the cumulative distribution functions. A lower value of this statistic implies a better fit.

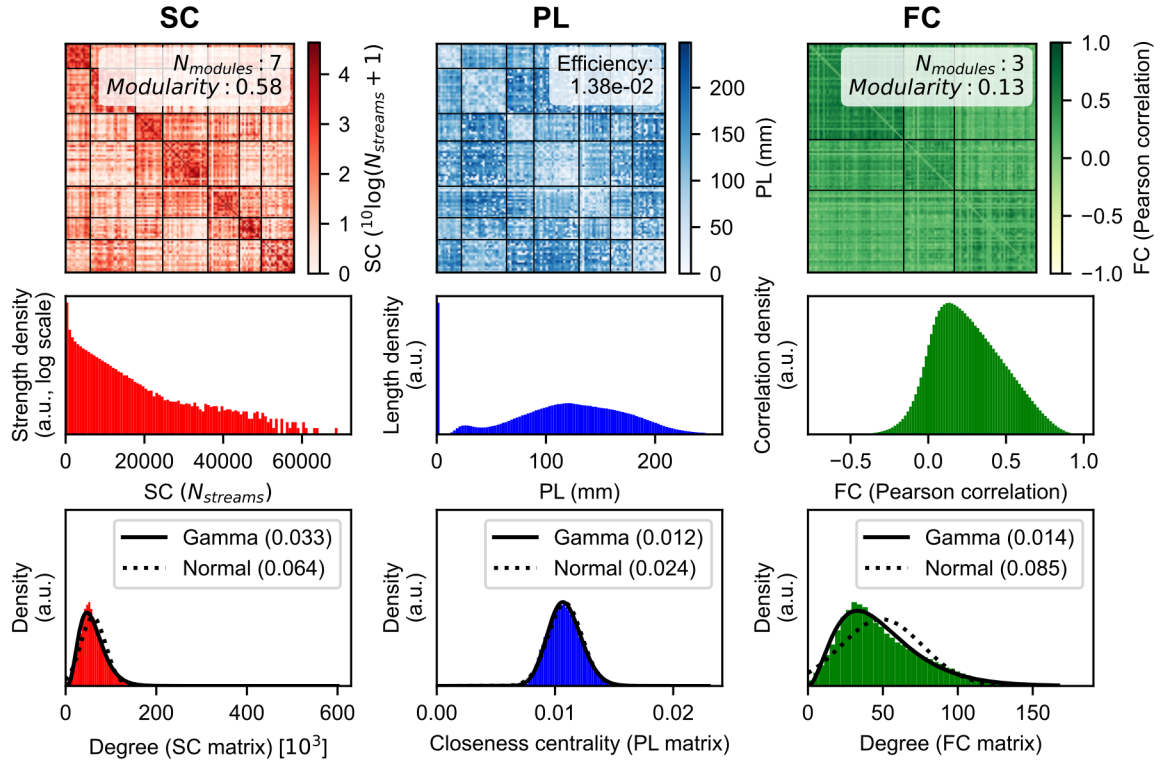
MIST



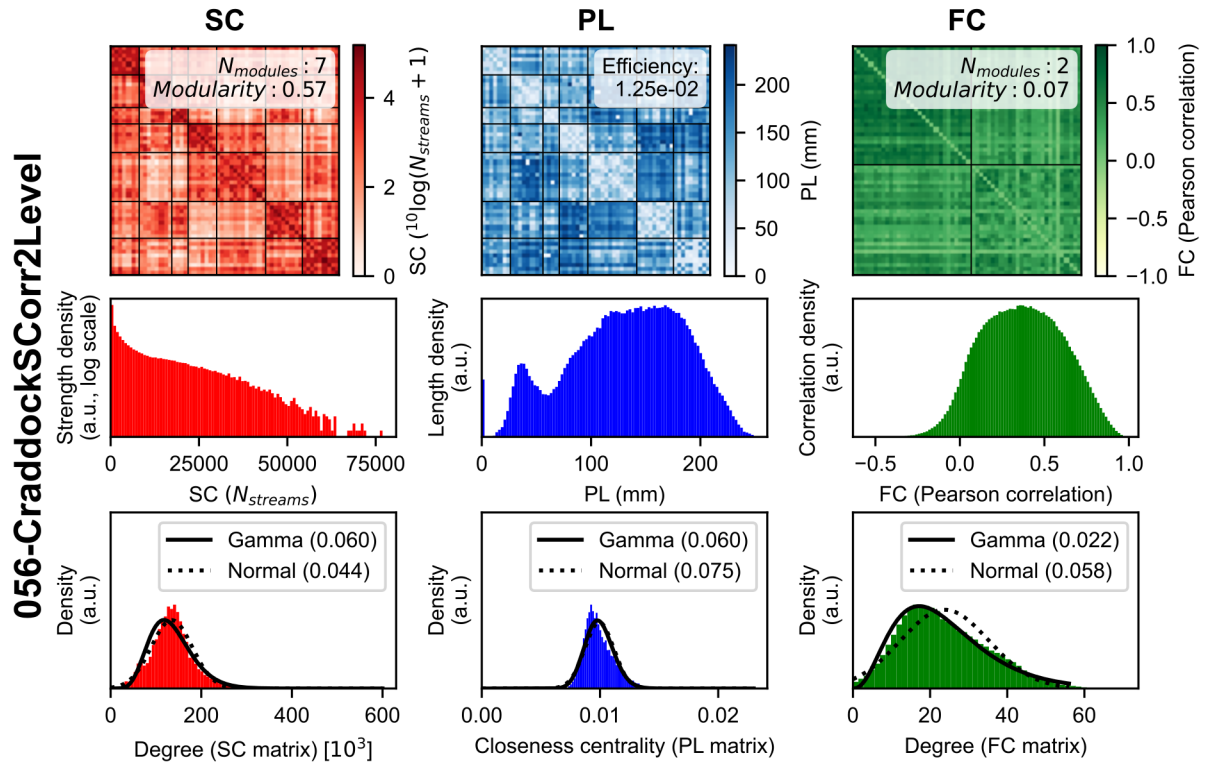
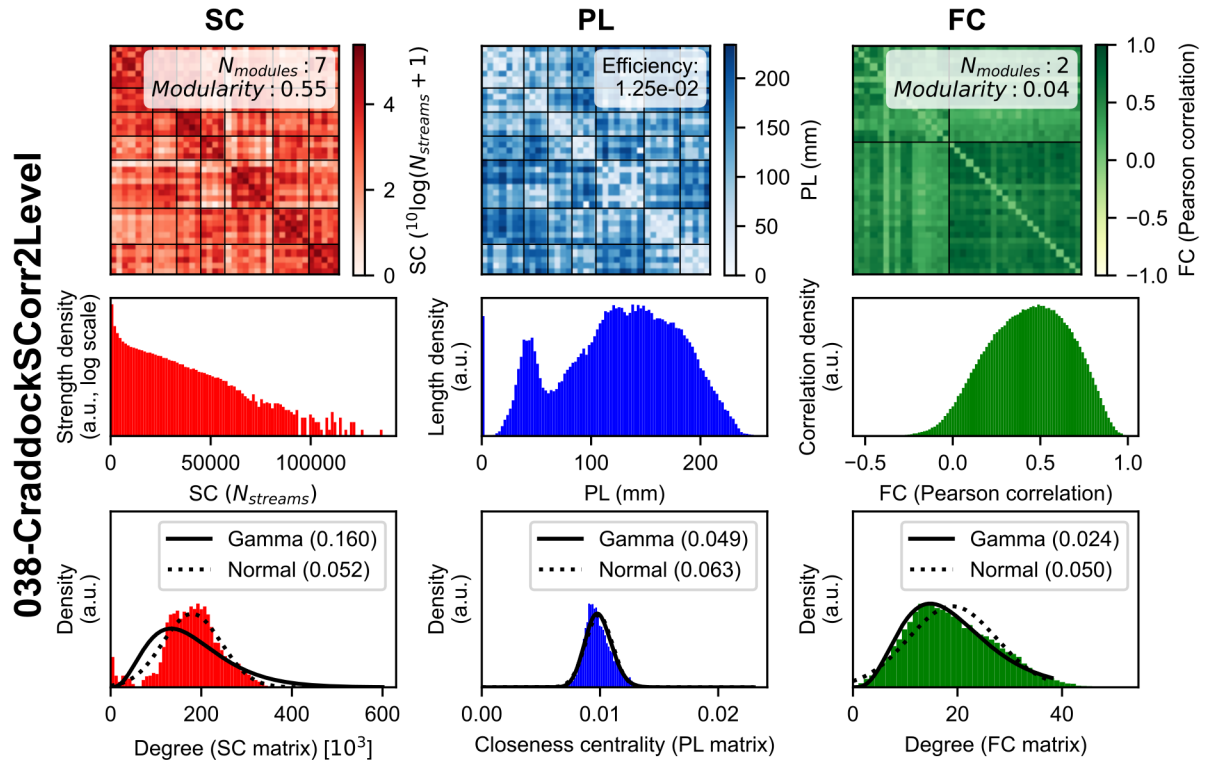
103-MIST



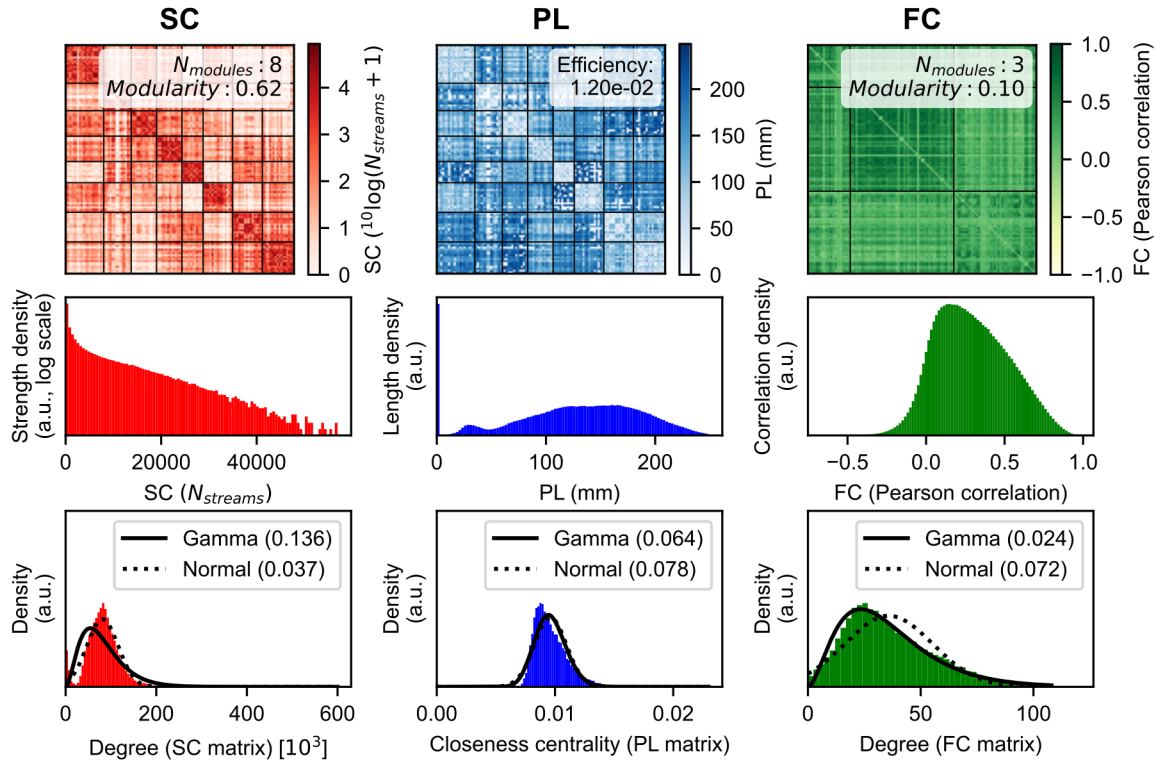
167-MIST



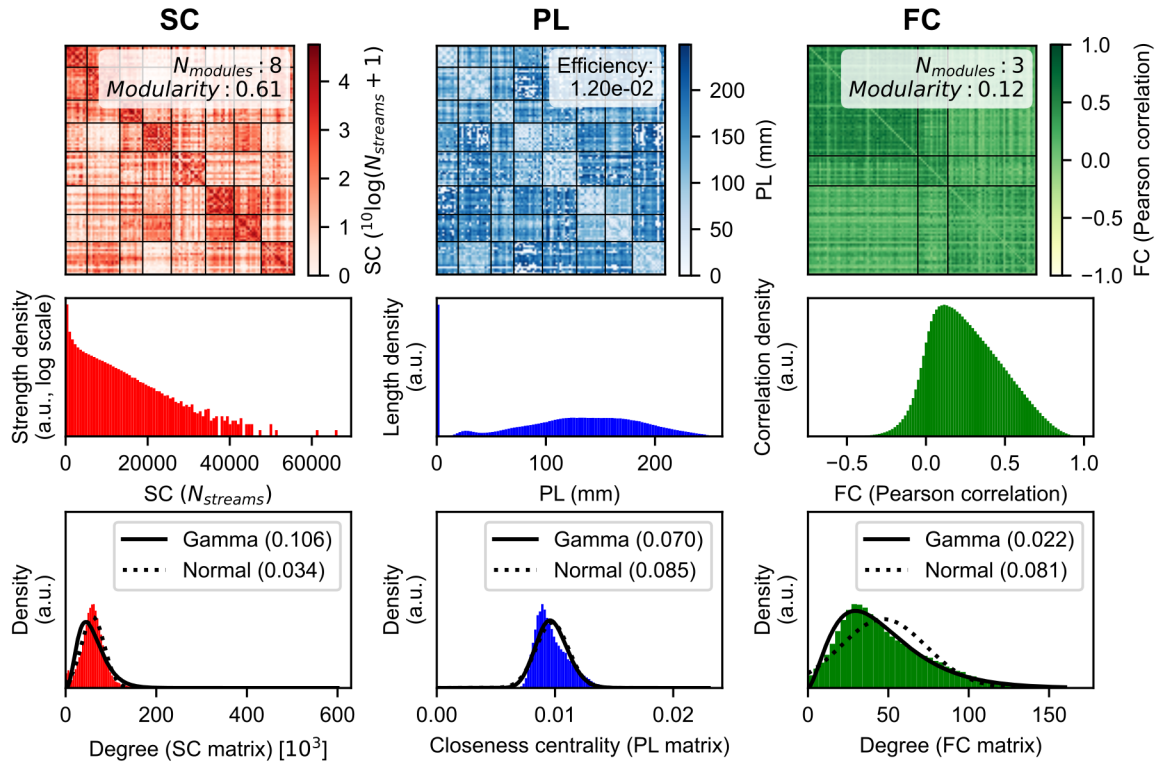
CraddockSCorr2Level



108-CraddockSCorr2Level

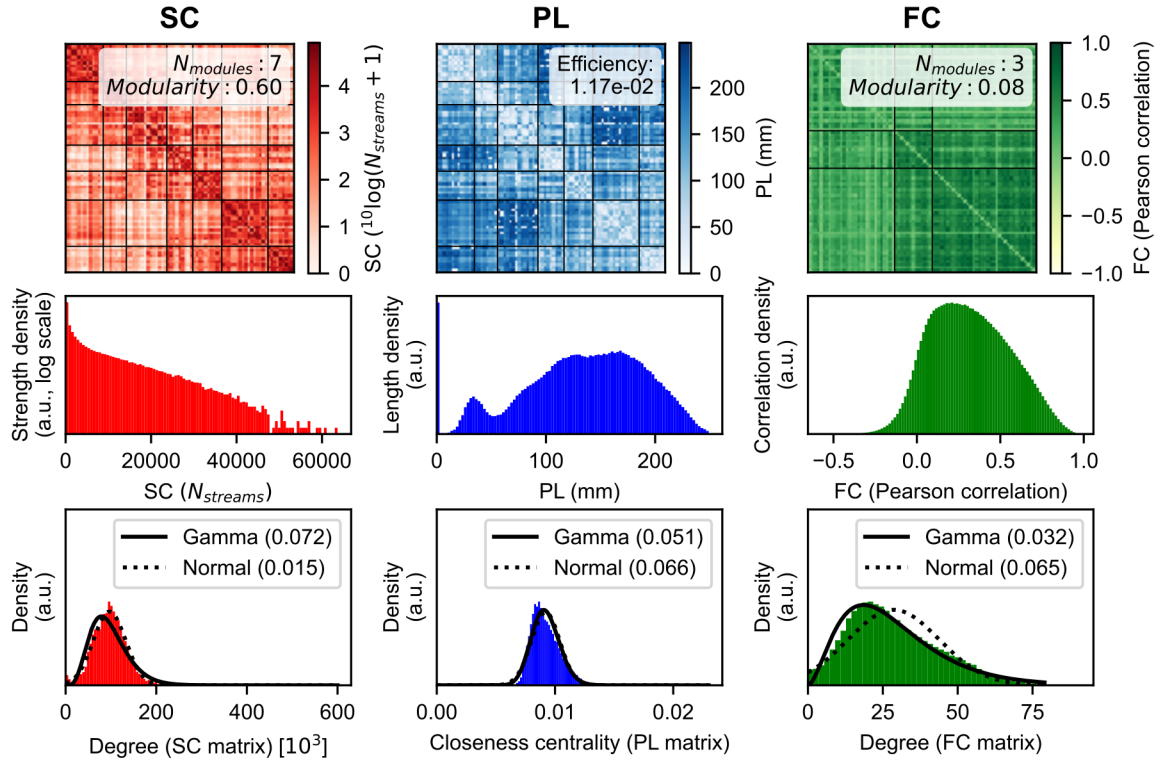


160-CraddockSCorr2Level

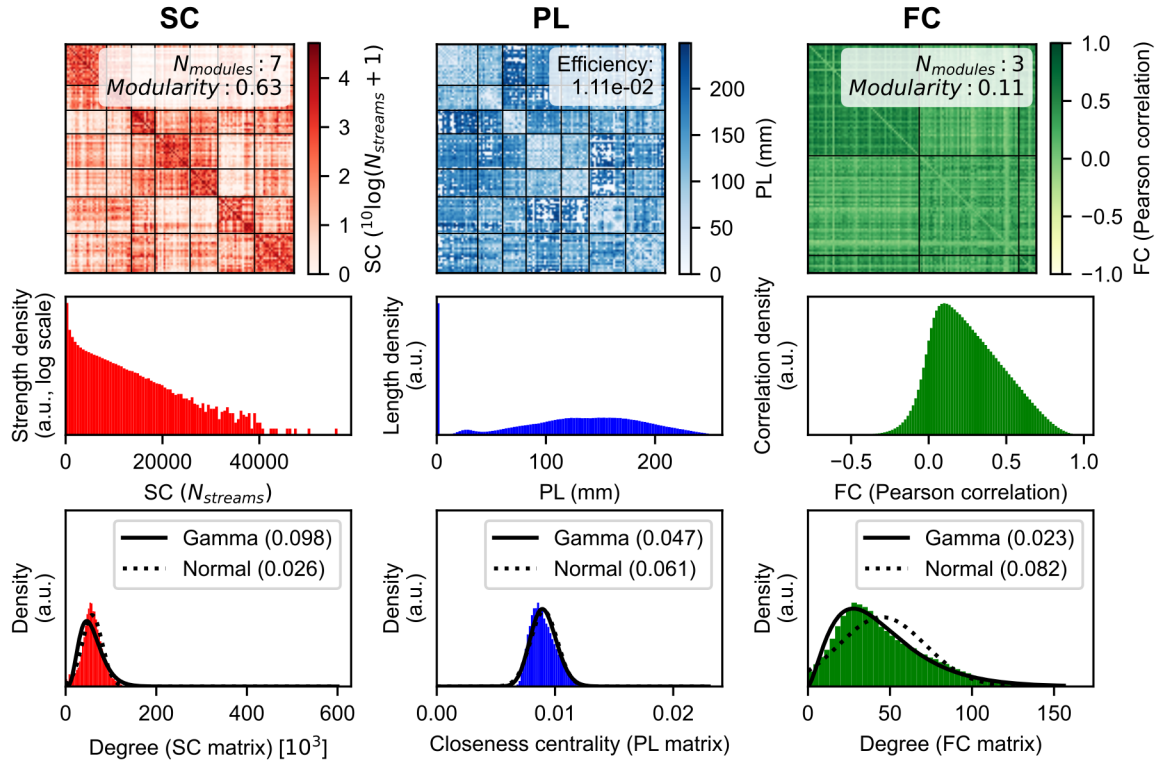


Shen2013

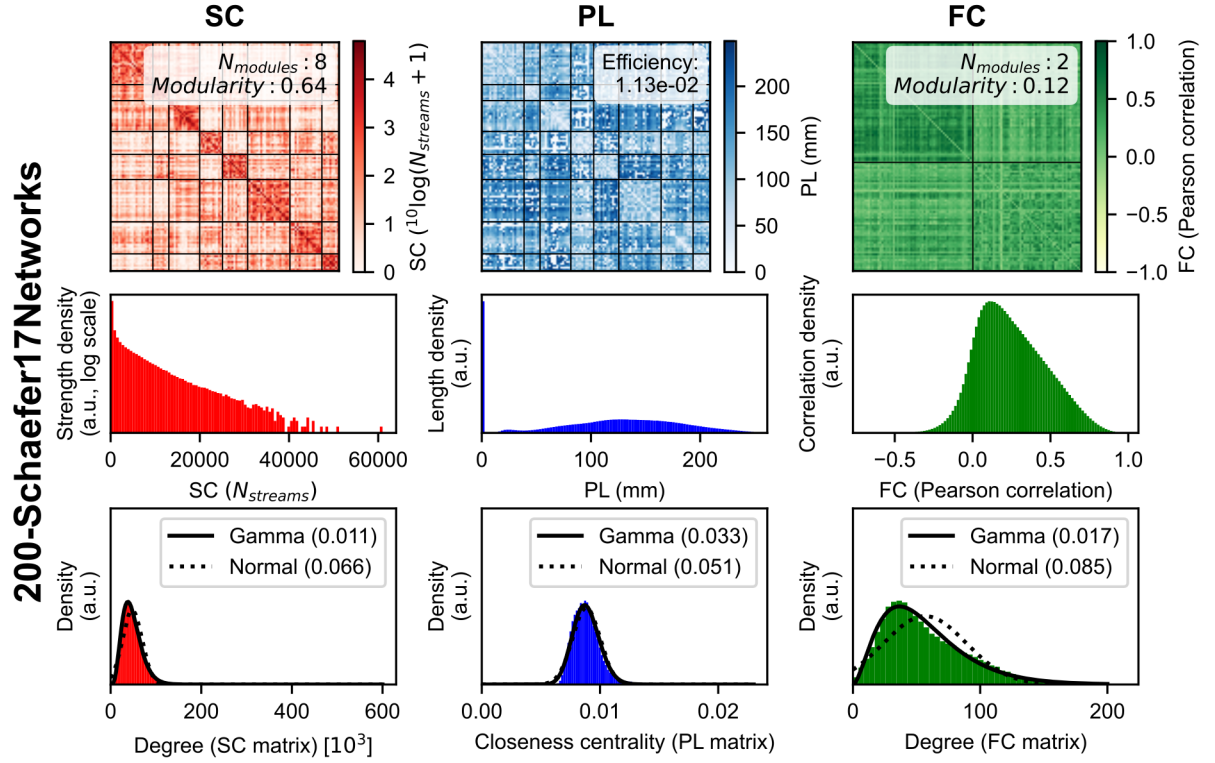
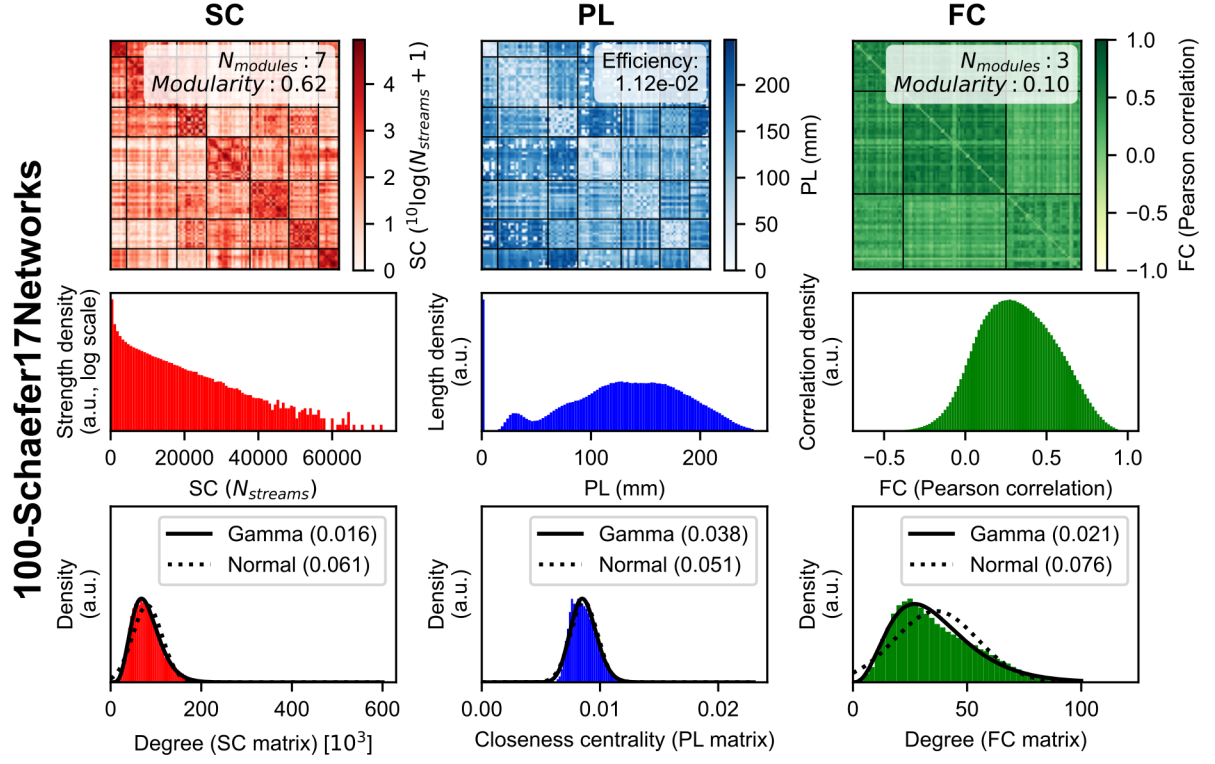
079-Shen2013



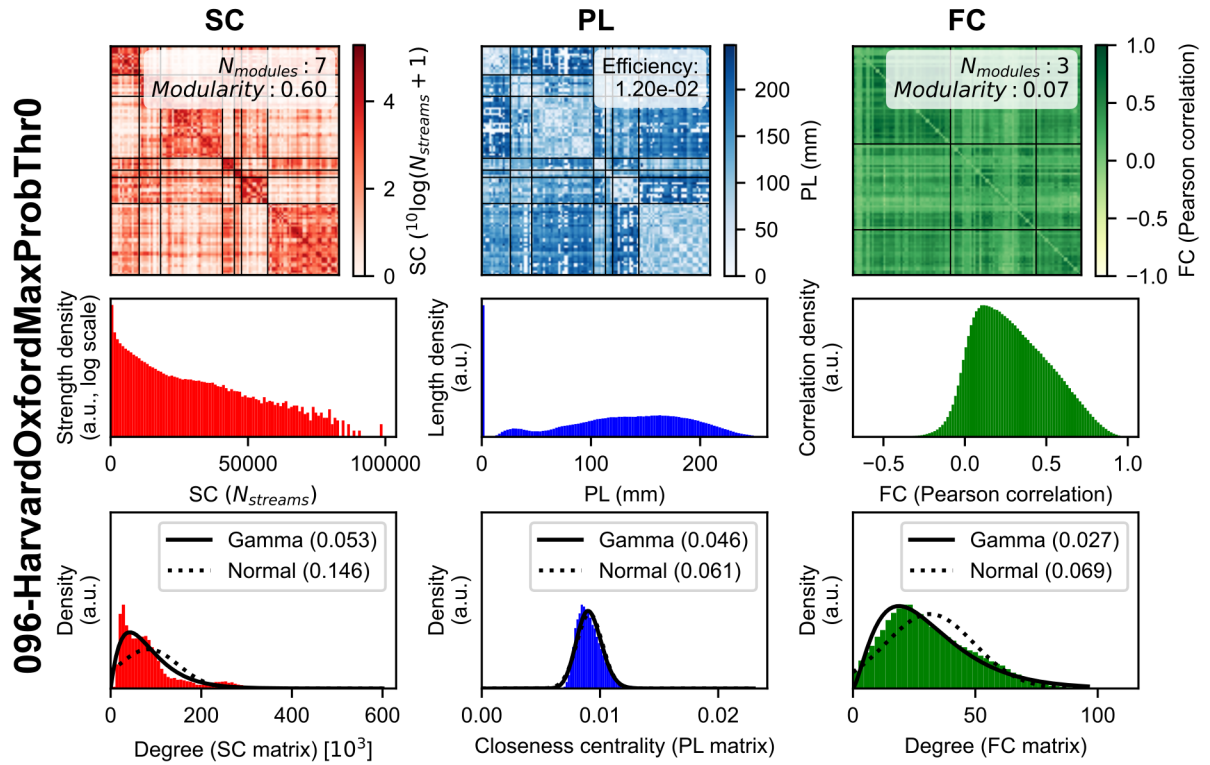
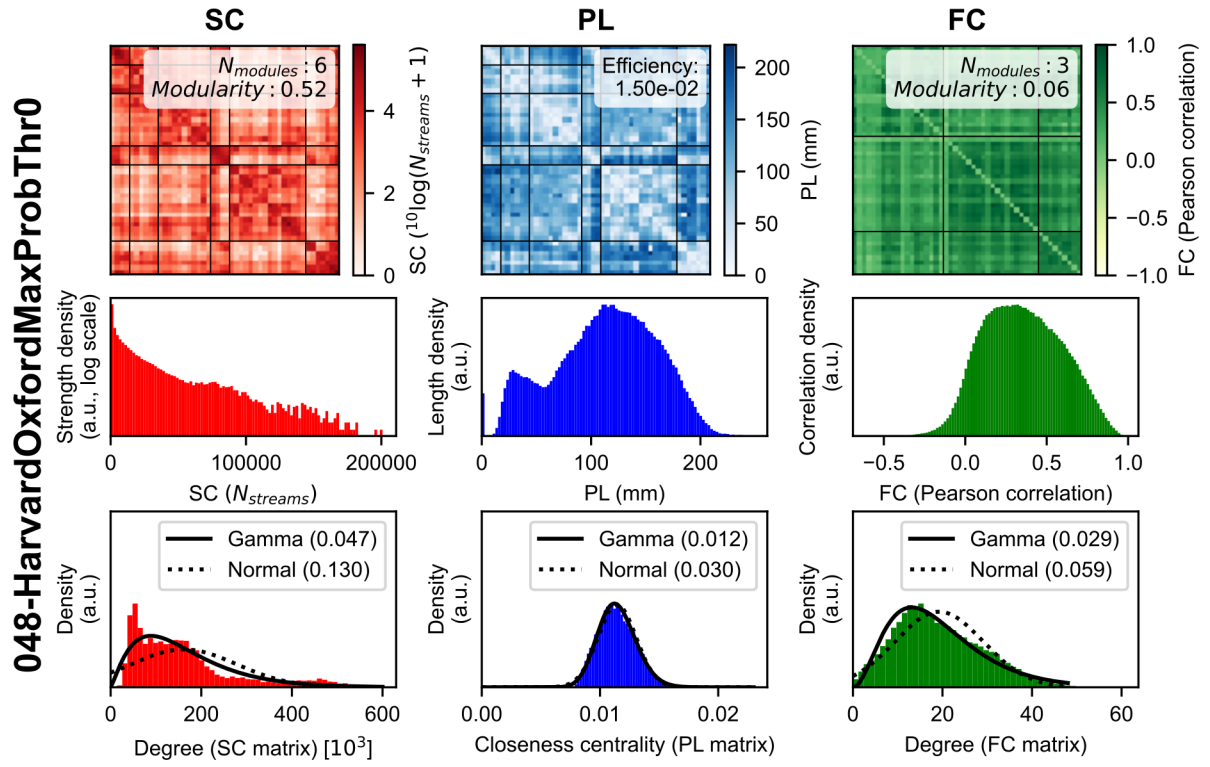
156-Shen2013



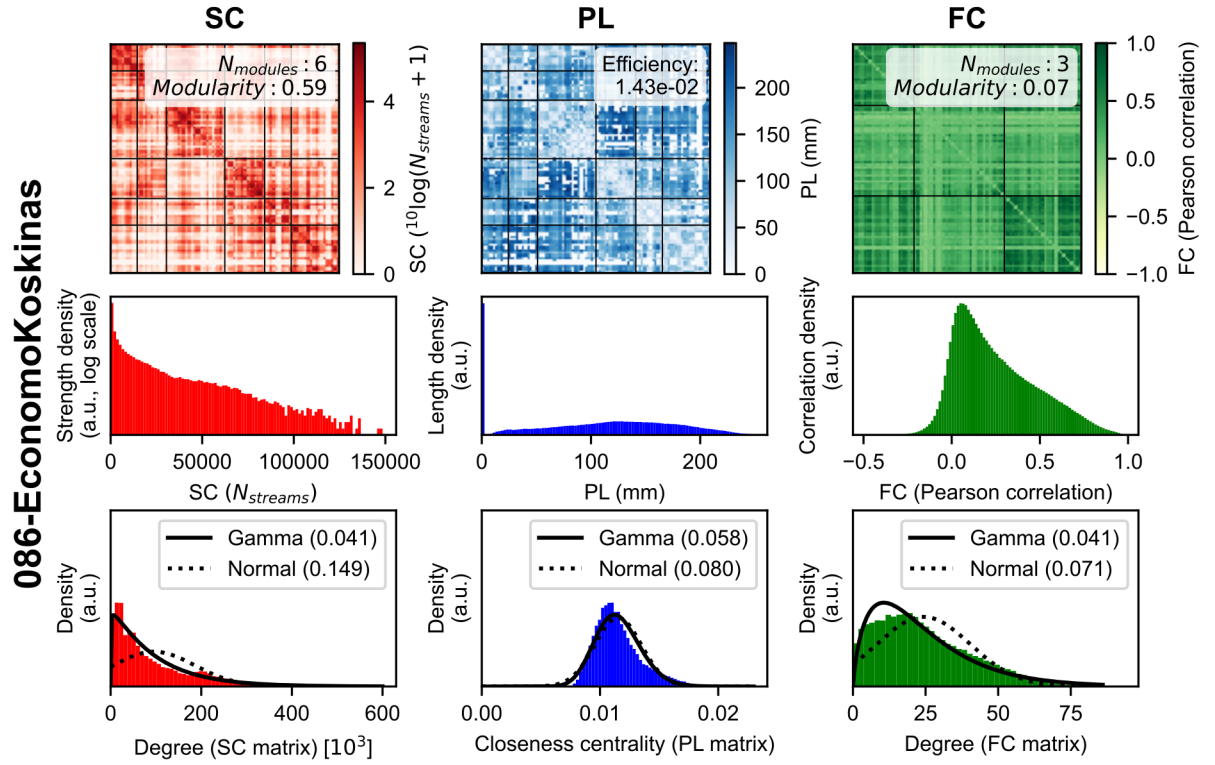
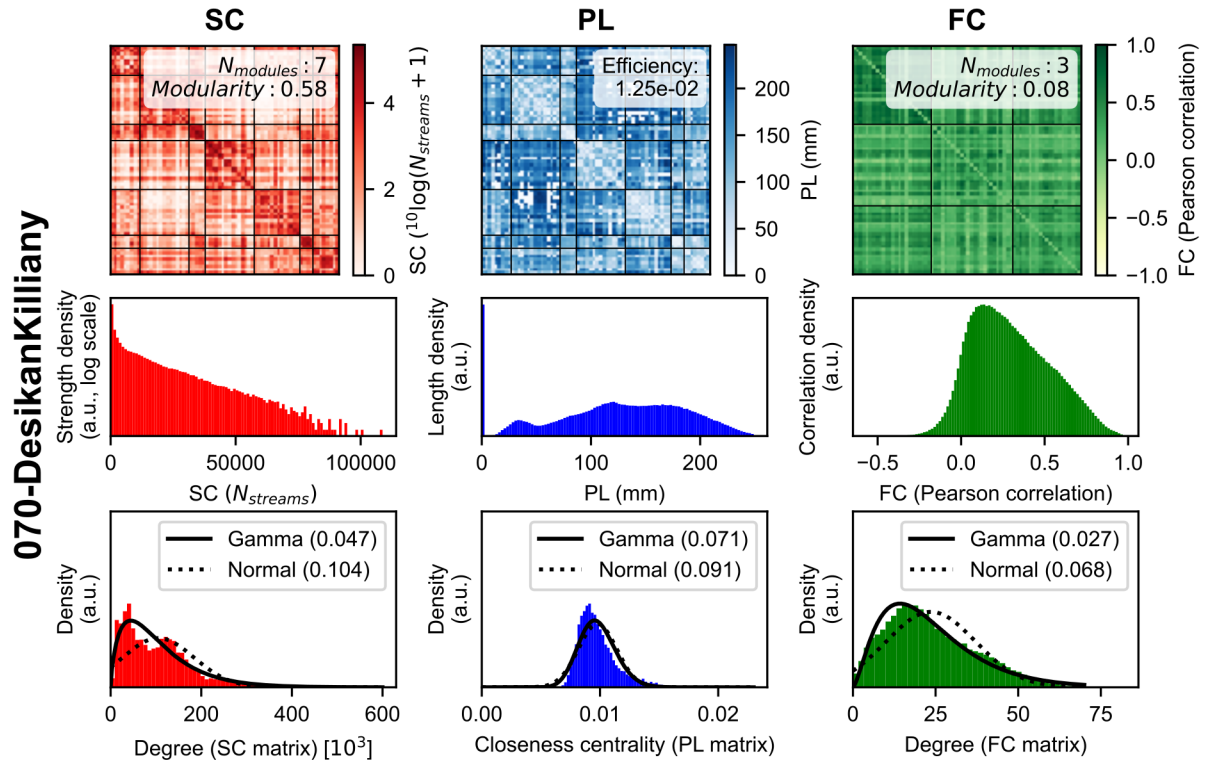
Schaefer17Networks



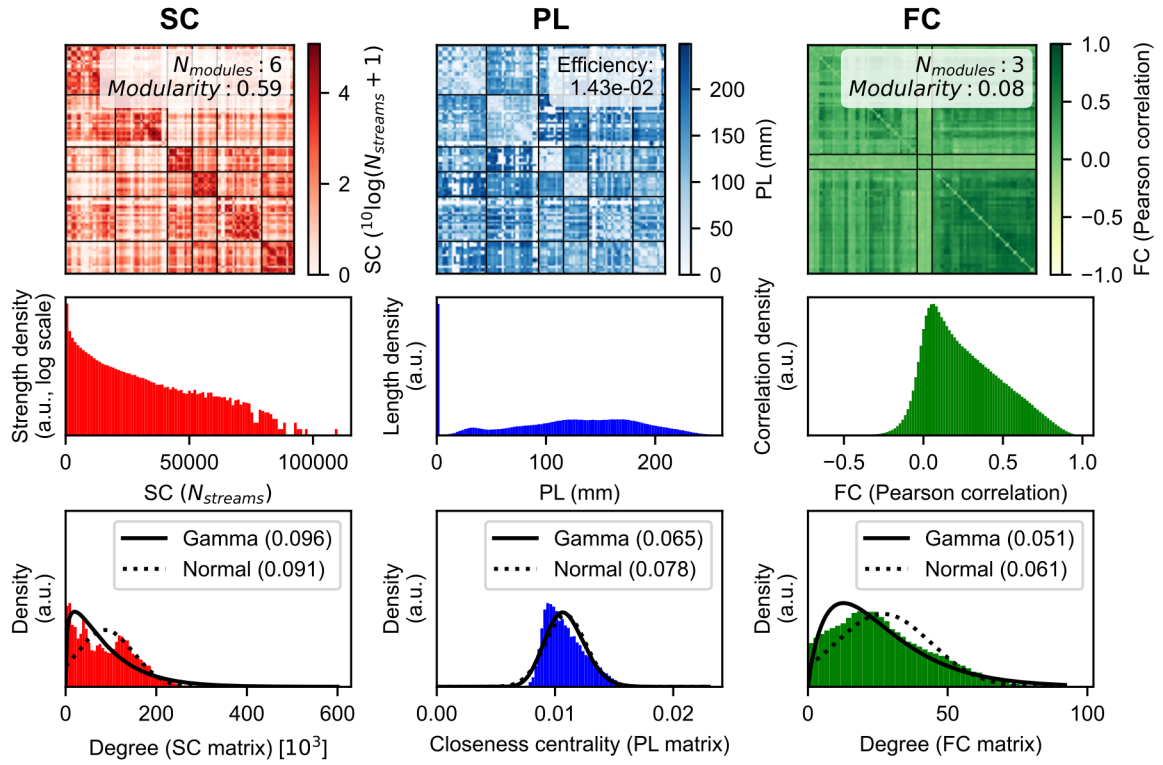
HarvardOxfordMaxProbThr0



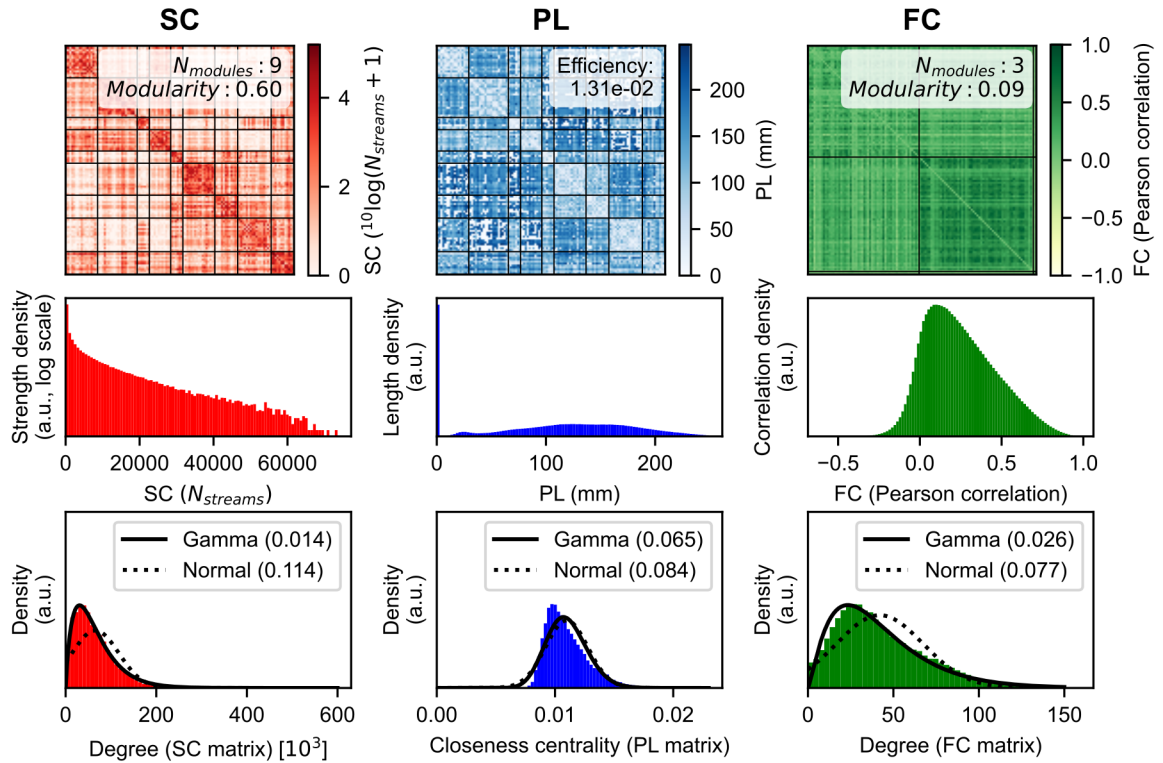
Structural atlases



092-AALV2



150-Destrieux



210-Brainnetome

